Ecological Reference Worksheet

	Ecological Reference			
Author (s) / participant(s):	Don Ashby Jr., D'Llaynn Bruce, Jim Nor			
Contact for lead author:	Don Ashby Jr.	Reference site used? Yes/No No		
Date: 3/15/2005 M	ILRA: 70 Ecological Site: Saline	CP-2 This <u>must</u> be verified based on soils		
		<u>cannot</u> be used to identify the ecological site.		
	· •	ere possible, (1) use numbers, (2) include expected	_ <u>⊒</u>	
~	· —	within the reference state, when appropriate &	Indicator Weight	
(3) site data. Continue descript	-		<u> </u>	
1. Number and extent of rills	:			
None				
2. Presence of water flow patt	terns:			
None	ional madastels on town action			
3. Number and height of eros	ional pedestals or terracettes:			
None				
4. Bare ground from Ecologic	cal Site Description or other studies (rock, li	itter, lichen, moss, plant canopy are not bare ground) :		
Rare ground may be present up to	o 40%. Bare patches can be large and common			
5. Number of gullies and eros		1.		
or realiser of games and cross	Ton associated with games.			
None				
6. Extent of wind scoured, blo	owouts and/or depositional areas:			
None				
	t (describe size and distance expected to tra-	vel):		
	itter movement 1-3 feet can occur during high	-		
o. Soil surface (top few mm) i		verages - most sites will show a range of values for both		
piant canopy and interspace	es, ii different).			
Anticipated to be 3-4 at the surface	ce and subsurface in the interspaces and 4-5 at	the surface and subsurface under vegetation. f structure, and A-horizon color and thickness for both plant		
9. Soil surface structures and canopy and interspaces, if		structure, and A-norizon color and unickness for both plant		
Soils are silty clay loam, clay loan	m, or clay dark brown in color with the A horiz	zon greater than 12 inches in depth. These soils are deep and		
well drained, moderately alkaline	and moderately to strongly saline with very sl	low permeability. In functional groups) & spatial distribution on infiltration &		
runoff:	composition (relative proportion of unferen	it functional groups) & spatial distribution on innitration &		
	•	s site and makes up 25% of the sites composition. Surface		
	low and the available water-holding capacity is	s high. oil profile features which may be mistaken for compaction		
on this site):	compaction layer (usually none, describe so	on prome reacures which may be mistaken for compaction		
	grazing has occurred to the point that Tobosa	dominates the site. by above-ground weight using symbols: indicate much		
	r than (>) , and equal to (=) :	by above-ground weight using symbols: indicate much		
Warm Season bunch grasses>>W		come grasses>Shrubs(Fourwing saltbush)>Forbs(Other		
annual/perennial)				
Most of the perennial grasses, for	bs, shrubs are long lived. Extended drought p	roups are expected to show mortality or decadence): eriods tend to cause high mortality rates in the grass species,		
	Shrub and trees mortality can occur in severe,			
14. Average percent litter cove	· · · · · · · · · · · · · · · · · · ·	·		
	ase with multiple, above average rainfall years			
	on (this is <u>TOTAL</u> above-ground production 0 lbs/ac in average precip years, 2000 lbs/ac in	n, not just forage production): a above average years. Grass/Grasslikes make up to 85% of the		
total annual production.				
		List species which characterize degraded states and which,		
after a threshold is crossed, "can, and often do, continue to increase regardless of the management of the site and may eventually dominate the site":				
Mesquite and Broomsnake weed species has the greatest potential for invading this site when continuous grazing or grazing continually during				
the period from April to October	occurs.			
17. Perennial plant reproducti	ve capability :			
Weather related and natural disease	asa can rasult in raduced raproductive canabili	tias		

Photograph (s)

MLRA :	70	Date :
Ecological Site:	Saline CP-2	
Photo # 1		
Comments:		
Comments:		
Photo # 2		
Comments:		

Functional / Structural Groups Worksheet

State	NM	Office	Fort Sumner	Ecological Site	Saline CP-2	
Observers	Don A	Ashby Jr., D'Llay	rnn Bruce, Jim Norris,	– John Hartung, Jerry S	pa Date	3/15/05

Functional / Structural Groups		ps	Species List for Functional / Structural Groups		
Name	Potential 1	Actual 2	Plant Names		
Warm Season bunch grass	D		Alkali sacaton, saltgrass, Blue grama		
Warm Season stolon grass	D		Tobosa, Vine mesquite,		
Cool Season rhizome/bunch gras	M		Western wheat, Bottlebrush squirreltail		
Shrubs	M		Fourwing saltbush, Broomsnake weed		
Forbs	M		Other annual and perennial spp.		
Biological Crust ³					

Indicate whether each "structural/functional group" is a Dominant (D)(roughly 40-100% composition), aSubdominant (S) (roughly 10-40%) composition) aMinor Component (M) (roughly 2-5% composition), or aTrace Component (T) (<2% composition) based on weight or cover composition in the area of interest (e.g., "Actual 2 column) relative to the "Potential 2 column derived from information found in the ecological site/description and/or at the ecological reference area.

Biological Crust 3 dominance is evaluated solely oncover not composition by weight